

THE FY 2001 FOSSIL ENERGY BUDGET
STRENGTH THROUGH SCIENCE

**FOSSIL FUELS
FUTURE FUELS**

Imagine...

Tomorrow's Gas Infrastructure

Natural Gas Research

	FY 2001 Request
Exploration and Production	\$12.4
Gas Hydrates	2.0
Infrastructure	13.2
Emerging Processing Technology	8.5
Effective Environmental Protection	2.6
Total	\$38.8

Dollars in Millions

Domestic Reliability

- ▶ Infrastructure may be most serious challenge to 30-TCF U.S. gas economy
- ▶ R&D on materials, obstacle detection sensors, improved gas storage; integration with electric system

International - Detecting Methane Leaks

- ▶ June 1999 PCAST recommendation
- ▶ Aerial detection - Desert Storm spinoff - could offer U.S. firms commercial opportunities.
- ▶ Up to 20% of Russian throughput
- ▶ Russian methane leaks = carbon emissions of half U.S. coal plants

